

In the Claims:

Please cancel claims 1-3, 5-8, and 13-20 without prejudice. Please amend claims 4, and 9-11 as shown below. Please insert new claims 21-24.

1. – 3. (Canceled)

4. (Currently amended) The ~~library of claim 1 method of claim 11~~, wherein said large circular-sense molecule has a length of from about 1,000 to about 20,000 nucleotides.

5. – 8. (Canceled)

9. (Currently amended) The ~~array of claim 8 method of claim 11~~, wherein said support comprises a coating of amino-silane, poly-L-lysine or aldehyde.

10. (Currently amended) The ~~array according claim 8 method of claim 11~~, wherein said support is slide glass, ceramic, inorganic-organic composite, flexible plastic film, silicon, metal, or membrane.

11. (Currently amended) A method for making ~~the array of claim 8 an array comprising a plurality of large circular-sense molecules bound to surface of a support~~, comprising

- (i) inserting a nucleic acid fragment into a vector that generates single stranded form of the vector;
- (ii) preparing bacterial transformants by introducing the vector containing the insert into competent bacterial cells to make bacterial transformants;

- (iii) infecting the transformants with helper phage to produce the large circular-sense molecule;
- (iv) isolating the large circular-sense molecule from culture supernatant of the transformants; and
- (v) arraying the large circular-sense molecule onto the surface of a support.

12. (Original) The method of claim 11, wherein the nucleic acid fragment is inserted into the vector unidirectionally.

13. – 20. (Canceled)

21. (New) The method of claim 11, wherein the array is microarray.

22. (New) The method of claim 4, wherein the length of the large circular-sense molecule has a length of about 1,000 to 8,000 nucleotides.

23. (New) The method of claim 22, wherein the length of the large circular-sense molecule has a length of about 3,000 to 7,000 nucleotides.

24. (New) The method of claim 10, wherein the support is silanized glass slide.